

San Diego County Traffic Advisory Committee



Committee Secretary
5510 Overland Avenue #410, Room 470, M.S. 0-334
San Diego, California 92123-1239
(858) 694-3845

Represented Agencies

Automobile Club of Southern
California
California Department of
Transportation
California Highway Patrol
Independent Insurance Agents
& Brokers of San Diego
San Diego County Bicycle Coalition
San Diego County Department of
Public Works
San Diego County Office of Education
San Diego County Pacific Safety
Council
San Diego County
Sheriff's Department

July 15, 2014

To: Each Member of the San Diego County Traffic Advisory Committee

From: Secretary

MEETING NOTICE

Attached is the preliminary agenda for the Traffic Advisory Committee meeting to be held on Friday, July 25, 2014. The meeting will begin at 9:00 AM at the **Department of the Public Works, Second Floor Room 271, 5510 Overland Avenue in San Diego.**

KENTON R. JONES, Secretary
San Diego County Traffic Advisory Committee

KRJ:pjh

Attachment



SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

July 25, 2014

AGENDA

- I. Call to Order / Roll Call**
- II. Pledge of Allegiance**
- III. Approval of Minutes from June 13, 2014**
- IV. Items for Review**

SUBJECT	LOCATION	AREA	PLANNING/ SPONSOR GROUP
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SUPERVISORIAL DISTRICT 2

A. SPEED LIMIT	SOUTH GRADE ROAD	ALPINE	ALPINE
B. RADAR RECERTIFICATION	AURORA DRIVE	LAKESIDE	LAKESIDE

SUPERVISORIAL DISTRICT 5

A. RADAR RECERTIFICATION	ALISO CANYON ROAD	RHO SANTA FE	SAN DIEGUITO
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DISCUSSION ITEM:

- 1. PALA TEMECULA ROAD**

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 25, 2014

Item 2-A

SUPERVISORIAL DISTRICT: 2

SUBJECT: Speed Limit

LOCATION: South Grade Road from Tavern Road northwesterly to Arnold Way (3.5 miles), ALPINE (Thos. Bros. 1253-J2)
Alpine Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Speed Limit Review

PROBLEM AS STATED BY REQUESTER:

South Grade Road is posted 50 MPH and is radar enforced. Due to an ongoing speed-related concern from a local resident who stated, the roadway is narrow with many hidden driveways, some with limited sight distance and various curves, we are interested in the review of the formal 50 MPH speed limit posting. The adjacent eastern portion of South Grade Road is posted 45 MPH and is radar enforced.

Existing Traffic Devices

South Grade Road is a striped two-lane Through Highway that varies between 27 and 55 feet wide. There is edge-striping along both sides of the roadway. The road is posted 50 MPH/Radar Enforced. The road is classified as a Light Collector on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>10/10</u>	<u>4/02</u>	<u>10/94</u>
South Grade Road:			
E/o Arnold Way	3,140*	3,360*	2,550*
W/o Tavern Road	3,070*	2,880*	3,480*

* Two-way count

<u>Spot Speed Data</u>	<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
South Grade Road:			
2,000' W/o Tavern Rd (2014)	48.6 MPH	35-44	60.0%
(2010)	47.5 MPH	37-46	66.1%
(2002)	45.8 MPH	37-46	83.6%

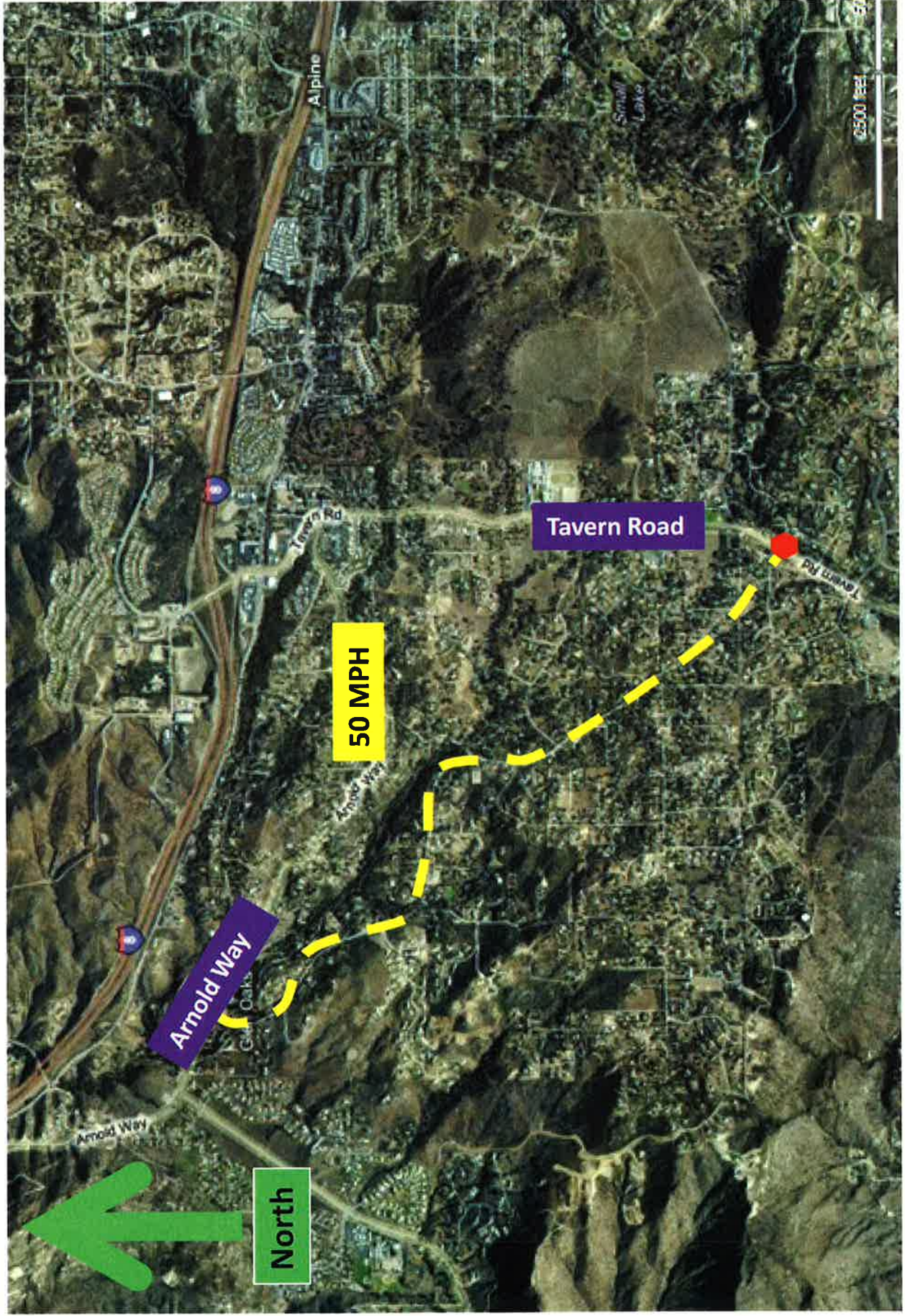
<u>Spot Speed Data (cont)</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
South Grade Road:				
350' E/o Big Red Rd	(2014)	52.9 MPH	43-52	75.0%
	(2010)	51.7 MPH	40-49	62.1%
	(2002)	53.9 MPH	45-54	69.4%
South Grade Road:				
430' E/o Petra Wy	(2014)	51.0 MPH	41-50	60.0%
	(2010)	49.0 MPH	39-48	63.0%
	(2002)	51.4 MPH	43-52	75.9%

Collision Data

There have been 39 reported collisions along this segment of roadway in the last five years (03-30-09 to 03-31-14), 12 of which involved injuries.

South Grade Road

from Tavern Road northerly to Arnold Way



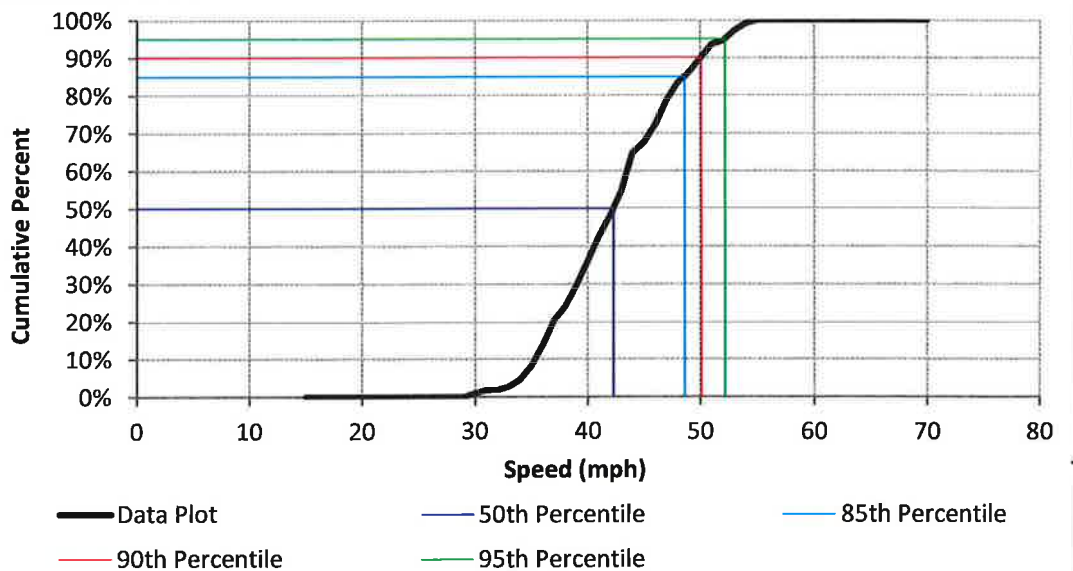
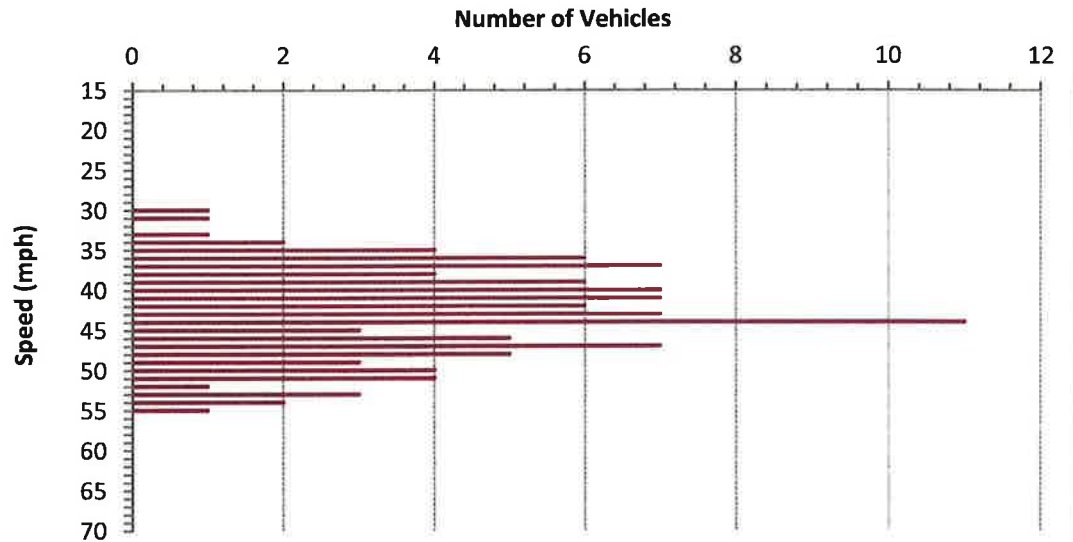


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	South Grade Rd	From:	Tavern Rd	To:	Arnold Wy
Position:	2000 feet west of Tavern Rd	Direction:	EB/WB		
Date:	6/24/2014 Tue	Weather:	Clear/Sunny	Project Number:	N/A
Time Start:	9:39 AM	Road Condition:	Good/Dry	Observer:	Geoff Retemeyer
Time End:	10:41 AM	Posted Speed:	50 mph	Calibration Test:	N/A

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30	1	0.9%
31	1	1.9%
32		
33	1	2.8%
34	2	4.6%
35	4	8.3%
36	6	13.9%
37	7	20.4%
38	4	24.1%
39	6	29.6%
40	7	36.1%
41	7	42.6%
42	6	48.1%
43	7	54.6%
44	11	64.8%
45	3	67.6%
46	5	72.2%
47	7	78.7%
48	5	83.3%
49	3	86.1%
50	4	89.8%
51	4	93.5%
52	1	94.4%
53	3	97.2%
54	2	99.1%
55	1	100.0%
56		
57		
58		
59		
60		
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	108	



DATA ANALYSIS

Average Speed	42.8	Range	30 - 55
50th Percentile	42.3	10 mph Pace	35 - 44
85th Percentile	48.6	Number in Pace	65
90th Percentile	50.1	Percent in Pace	60%
95th Percentile	52.2		



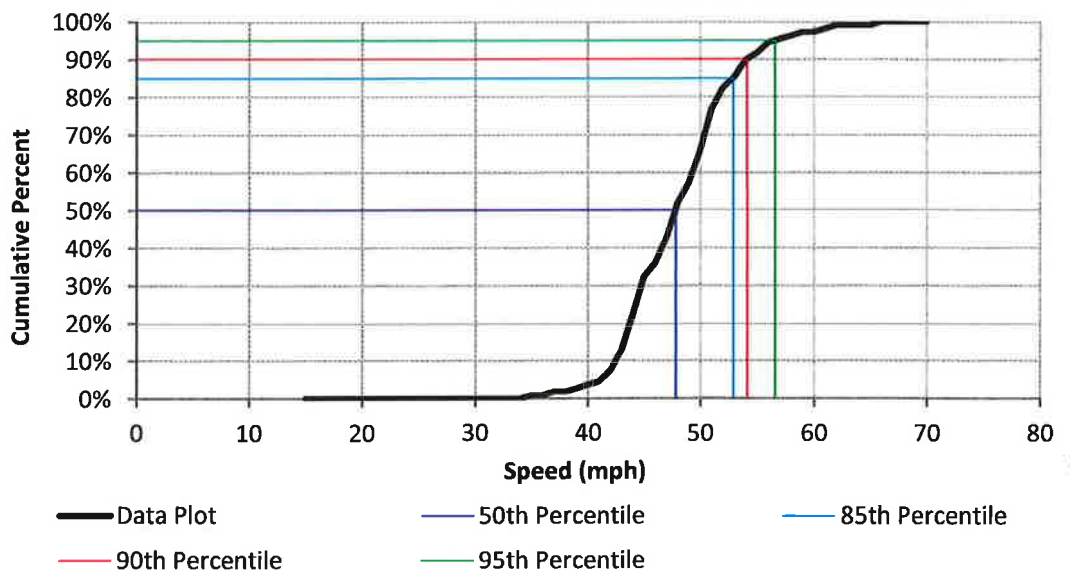
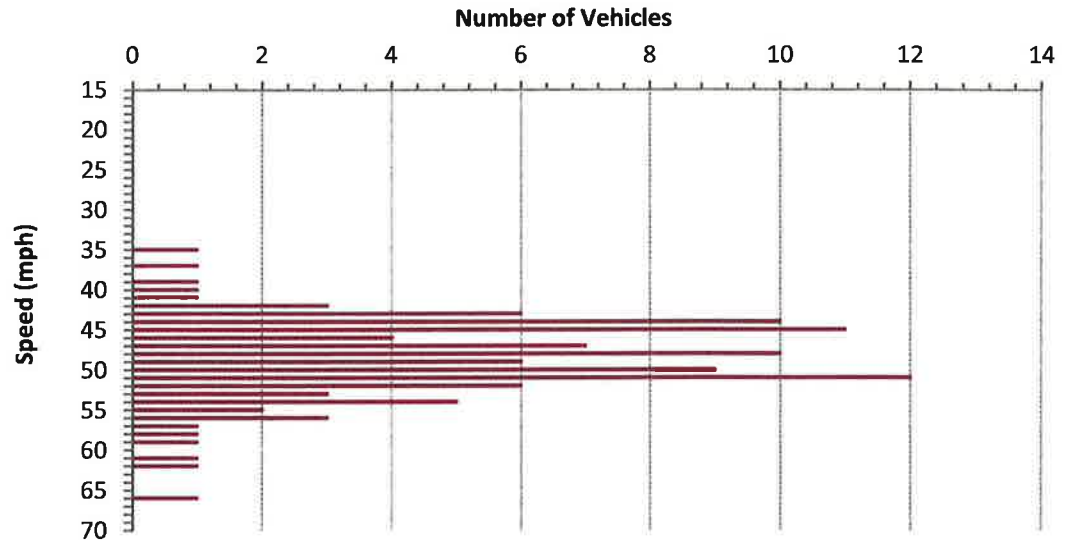
RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	South Grade Rd	From:	Tavern Rd	To:	Arnold Wy
Position:	350 feet east of Big Red Rd	Direction:	EB/WB		

Date:	6/24/2014 Tue	Weather:	Clear/Sunny	Project Number:	N/A
Time Start:	10:51 AM	Road Condition:	Good/Dry	Observer:	Geoff Retemeyer
Time End:	12:08 PM	Posted Speed:	50 mph	Calibration Test:	N/A

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33		
34		
35	1	0.9%
36		
37	1	1.9%
38		
39	1	2.8%
40	1	3.7%
41	1	4.6%
42	3	7.4%
43	6	13.0%
44	10	22.2%
45	11	32.4%
46	4	36.1%
47	7	42.6%
48	10	51.9%
49	6	57.4%
50	9	65.7%
51	12	76.9%
52	6	82.4%
53	3	85.2%
54	5	89.8%
55	2	91.7%
56	3	94.4%
57	1	95.4%
58	1	96.3%
59	1	97.2%
60		
61	1	98.1%
62	1	99.1%
63		
64		
65		
66	1	100.0%
67		
68		
69		
70		
Total	108	



DATA ANALYSIS

Average Speed	48.5	Range	35 - 66
50th Percentile	47.8	10 mph Pace	43 - 52
85th Percentile	52.9	Number in Pace	81
90th Percentile	54.1	Percent in Pace	75%
95th Percentile	56.6		

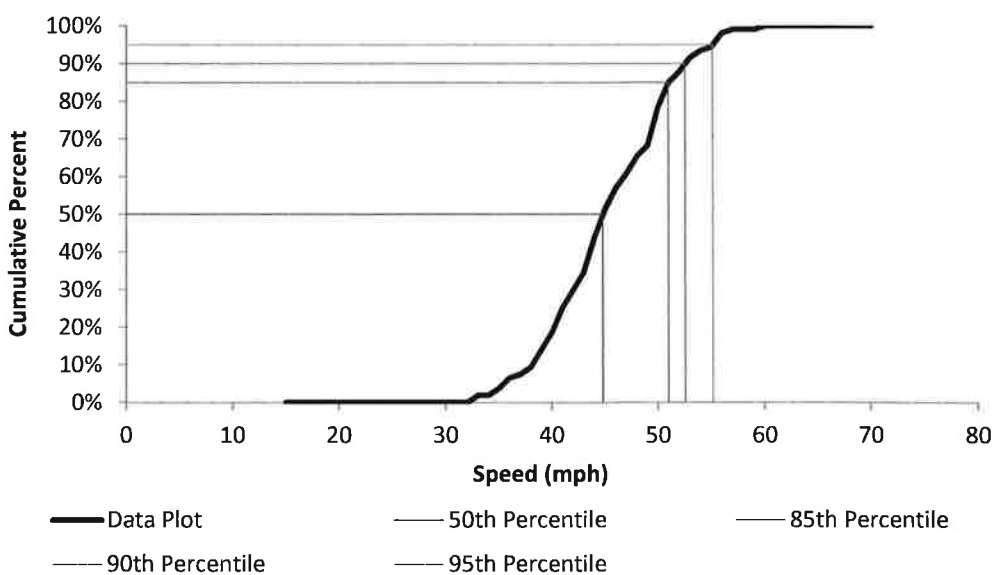
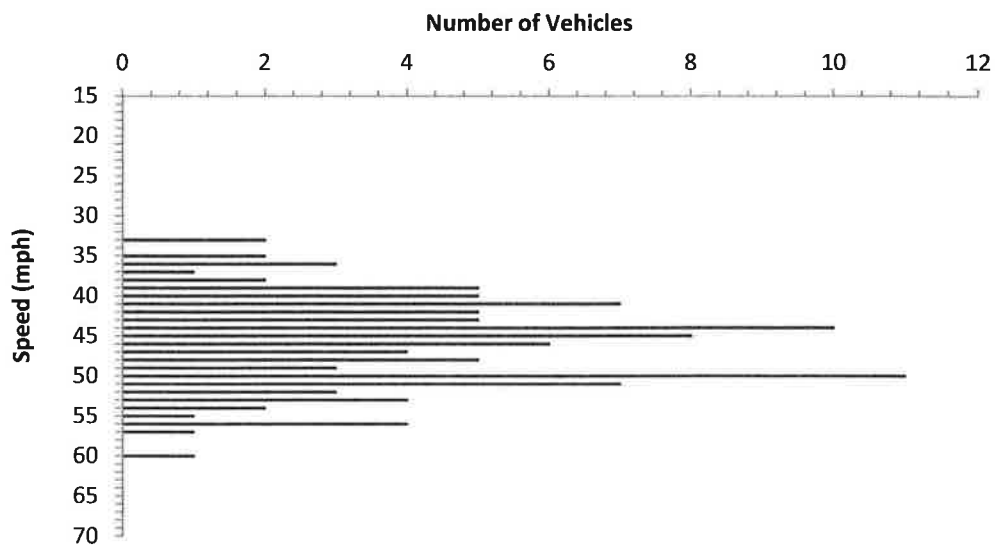


RADAR SPEED SURVEY

SAN DIEGO COUNTY DEPT OF PUBLIC WORKS

Road Name:	South Grade Road	From:	0	To:	0
Position:	430 ft E/o Petra Way	Direction:	EB/WB		
Date:	6/24/2014	Weather:	clear	Project Number:	0
Time Start:	12:58PM	Road Condition:	dry	Observer:	Geoff Retemeyer
Time End:	1:59PM	Posted Speed:	50MPH	Calibration Test:	Y

Speed (mph)	Num. Veh.	Cum. Pct.
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		
26		
27		
28		
29		
30		
31		
32		
33	2	1.9%
34		
35	2	3.7%
36	3	6.5%
37	1	7.5%
38	2	9.3%
39	5	14.0%
40	5	18.7%
41	7	25.2%
42	5	29.9%
43	5	34.6%
44	10	43.9%
45	8	51.4%
46	6	57.0%
47	4	60.7%
48	5	65.4%
49	3	68.2%
50	11	78.5%
51	7	85.0%
52	3	87.9%
53	4	91.6%
54	2	93.5%
55	1	94.4%
56	4	98.1%
57	1	99.1%
58		
59		
60	1	100.0%
61		
62		
63		
64		
65		
66		
67		
68		
69		
70		
Total	107	



DATA ANALYSIS

Average Speed	45.7	Range	33 - 60
50th Percentile	44.8	10 mph Pace	41 - 50
85th Percentile	51.0	Number in Pace	64
90th Percentile	52.6	Percent in Pace	60%
95th Percentile	55.2		

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 25, 2014

Item 2-B

SUPERVISORIAL DISTRICT: 2

SUBJECT: Radar Recertification

LOCATION: Aurora Drive from Los Coches Road southwesterly to Highway 8 Business (0.61 miles), LAKESIDE (Thos. Bros. 1232-D7) Lakeside Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Aurora Drive from Los Coches Road southwesterly to Highway 8 Business is posted 40 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 40 MPH speed limit.

Existing Traffic Devices

Aurora Drive is a striped two-lane roadway that varies in width from 24 to 30 feet wide. The road is posted 40 MPH/Radar Certified The road is unclassified on the County General Plan Mobility Element Network.

<u>Average Daily Traffic Volumes</u>	<u>7/14</u>	<u>5/06</u>	<u>10/99</u>
Aurora Drive:			
W/o Medill Av	1,070*	1,180*	
W/o Los Coches Road			1,700*

*Two-way Count

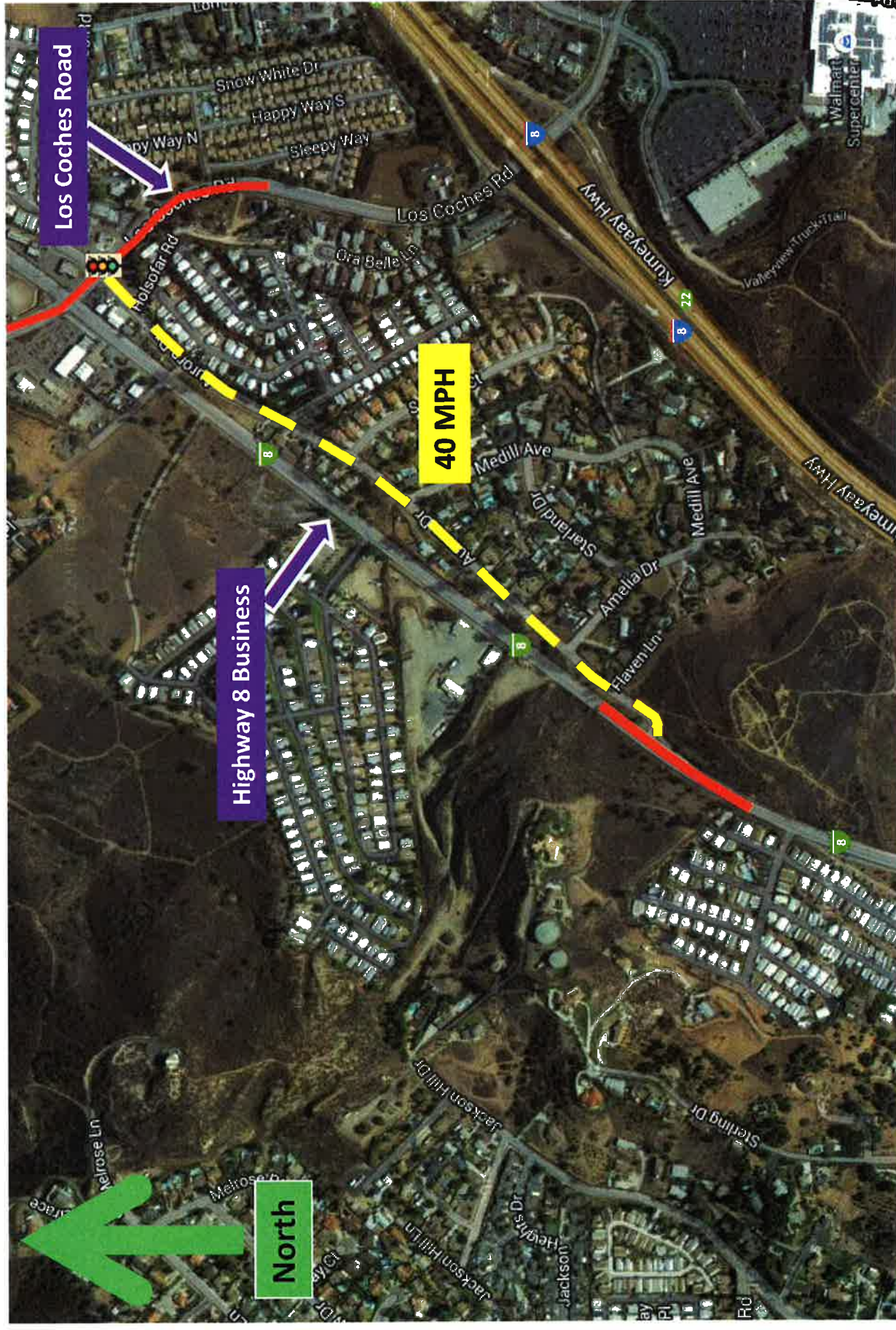
<u>Spot Speed Data</u>		<u>85th Percentile</u>	<u>10 MPH Pace</u>	<u>% in Pace</u>
Aurora Drive:				
100 ft W/o Medill Av	(2014)	44.0 MPH	35-44	83.0%
	(2008)	44.1 MPH	35-44	68.1%

Collision Data

There have been four reported collisions along this segment of roadway, two of which involved injury, in the last five year period (03-30-09 to 03-31-14).

Aurora Drive

from Los Coches Road southwesterly to Highway 8 Business



Spot Speed Study

Prepared by: National Data & Surveying Services

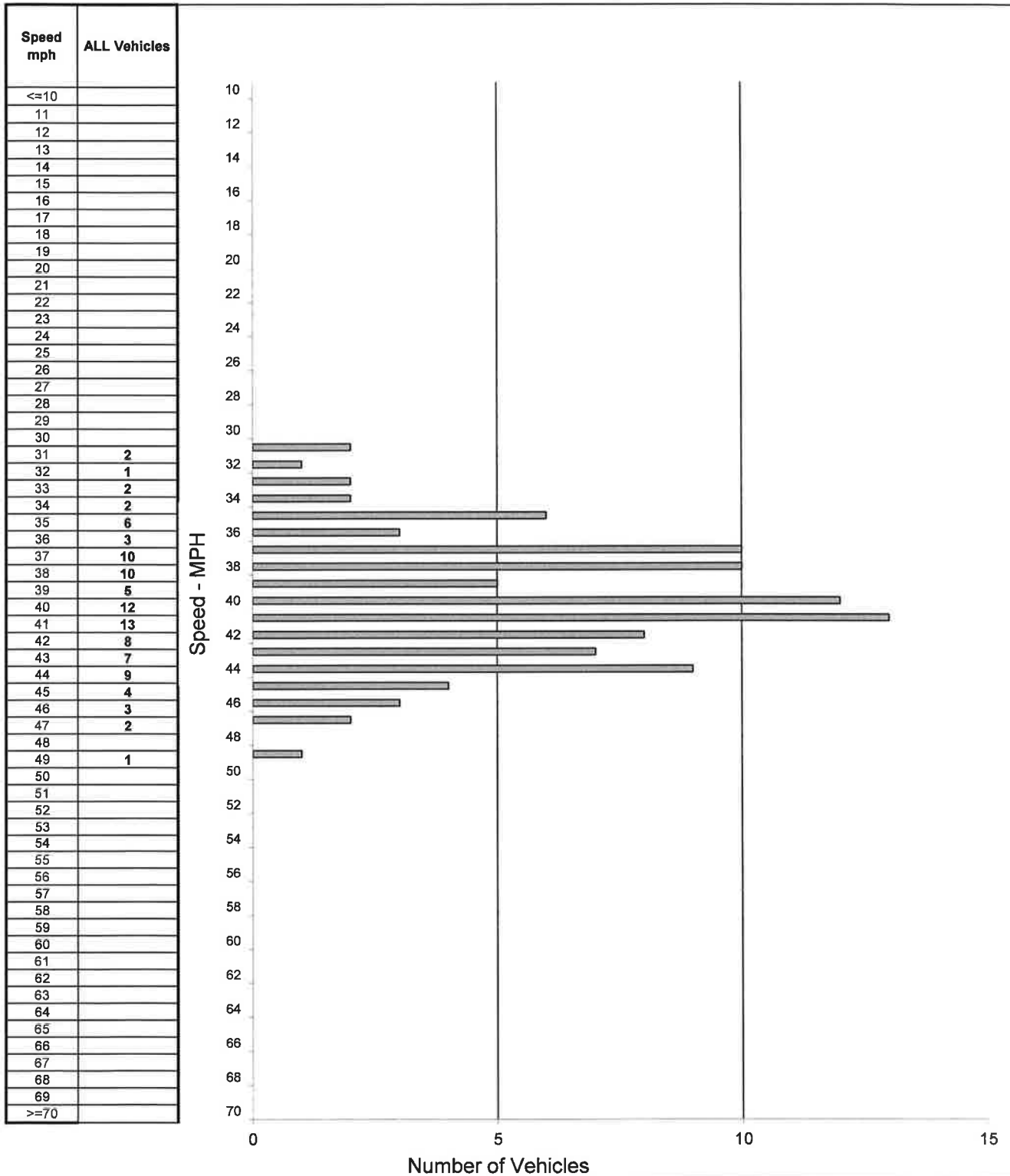
City of Lakeside

DATE: 6/26/2014
TIME: 11:20-13:20

Location: Aurora Dr 100' w/o Medill Ave
Posted Speed: 40 MPH Clear/Dry

Project #: 14-4170-006

Eastbound & Westbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	100	31 - 49	40 mph	44 mph	35 - 44	83	83%	7% / 7	10% / 10

SAN DIEGO COUNTY TRAFFIC ADVISORY COMMITTEE

COMMITTEE REPORT OF: July 25, 2014

Item 5-A

SUPERVISORIAL DISTRICT: 5

SUBJECT: Radar Recertification

LOCATION: Aliso Canyon Road from El Camino del Norte northerly to Avenida del Duque (0.52 miles), RANCHO SANTA FE (Thos. Bros. 1148-F7) San Dieguito Community Planning Group

INITIATED BY: DPW Traffic Engineering

REQUEST: Radar Recertification

PROBLEM AS STATED BY REQUESTER:

Aliso Canyon Road from El Camino del Norte northerly to Avenida del Duque is posted 45 MPH and is radar enforced. Preliminary review of prevailing speeds and roadway conditions support radar recertification for the existing 45 MPH speed limit.

Existing Traffic Devices

Aliso Canyon Road is a striped two-lane roadway that measures from 30 to 40 feet wide. There is edge-striping along both sides of the roadway. The road is posted 45 MPH/Radar Certified. The road is unclassified on the County General Plan Mobility Element Network.

Average Daily Traffic Volumes 07/14 10/00

Aliso Canyon Road:		
S/o Via del Charro	3,285*	2,390*

* Two-way Count

Spot Speed Data 85th Percentile 10 MPH Pace % in Pace

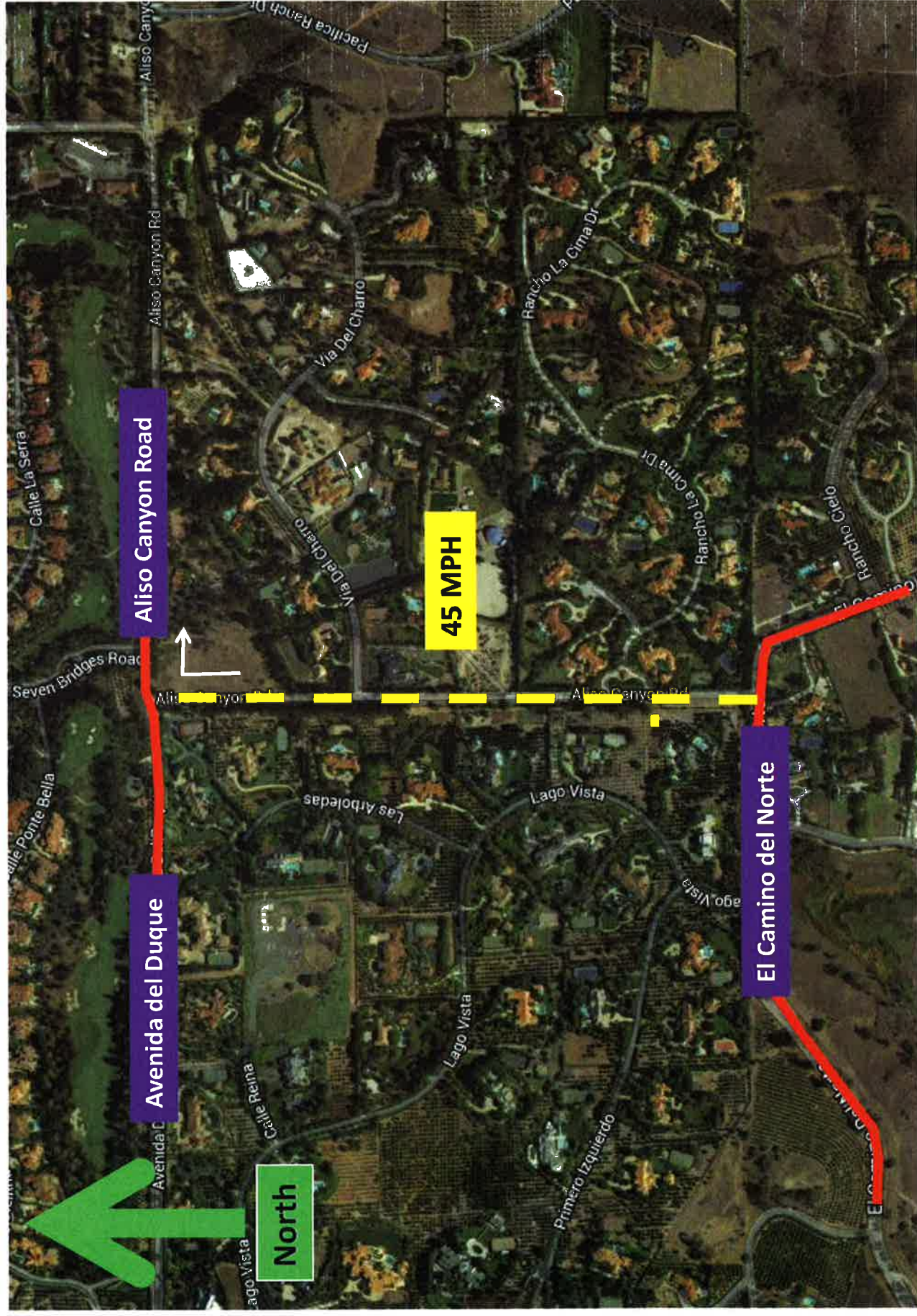
Aliso Canyon Road:				
380 ft S/o Via del Charro	(2014)	49.0 MPH	38-47	60.0%
275 ft S/o Via del Charro	(2007)	47.2 MPH	37-46	63.6%

Collision Data

There has been one reported collision, that involved injury, along this segment of roadway in the last five year period (03-30-09 to 03-31-14). A westbound motorist, entering Aliso Canyon Road from a private road, violated the right-of-way of a northbound motorist.

Aliso Canyon Road

from El Camino del Norte northerly to Avenida del Duque



Spot Speed Study

Prepared by: National Data & Surveying Services

City of Rancho Santa Fe

DATE: 6/26/2014

TIME: 13:30-15:30

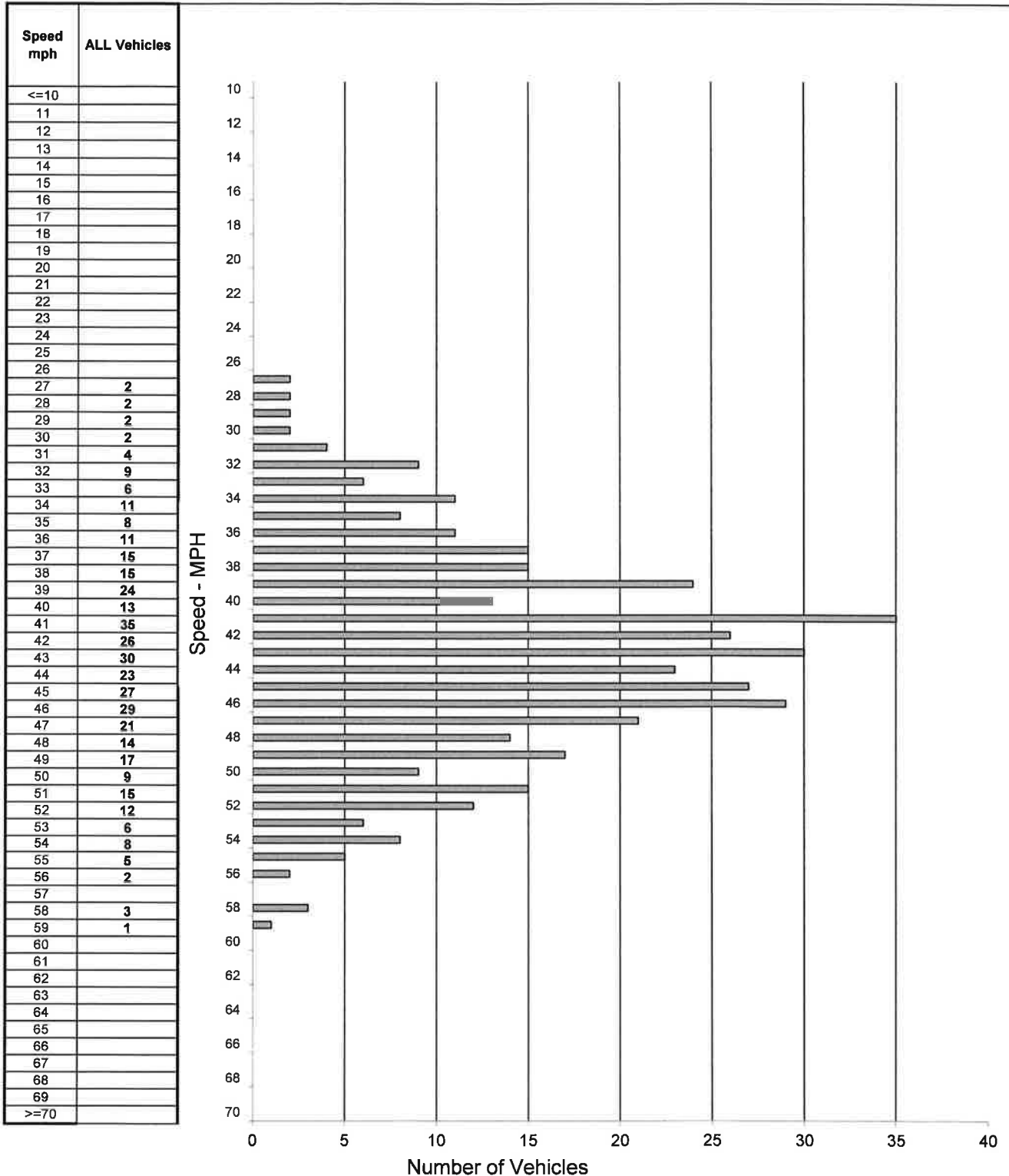
Location: Aliso Cyn Rd 380' s/o Via Del Charro

Posted Speed: 45 MPH

Clear/Dry

Project #: 14-4170-004

Northbound & Southbound Spot Speeds



SPEED PARAMETERS									
Class	Count	Range	50th Percentile	85th Percentile	10 MPH Pace	# in Pace	Percent in Pace	% / # Below Pace	% / # Above Pace
ALL	407	27 - 59	43 mph	49 mph	38 - 47	243	60%	17% / 72	23% / 92

INFO ITEM:

Pala Temecula Road

Pala Temecula Road



INFORMATIONAL ITEM

LOCATION: Pala Temecula Road from Pala Mission Road northerly to Riverside County Line (5.0 miles), PALA (Thos. Bros. 1029-H4) Pala-Pauma Community Sponsor Group

BACKGROUND:

On September 14, 2013, your Committee reviewed establishment of either a weight or length restriction along Pala Temecula Road. County staff stated 25-foot kingpin to rear axle advisory length warning signs had recently been installed as a non-regulatory measure. County road crews were continually performing guardrail maintenance. When reviewing the damage, it became apparent large commercial vehicles were failing to stay within their lanes and striking the guardrail. Also, depending on the location of work, road crews were experiencing challenges maintaining a visible traffic control zone.

The chair of the Pala-Pauma Community Sponsor Group supported a 7-ton weight limitation. He indicated the Sponsor Group did not support any length restriction due to its negative impact on casino buses traveling between the Pechanga and Pala Casinos. He stated Pala Temecula Road is steep and narrow with tight radii curves and restrictive sight lines. State Route 76 is more conducive and easier to navigate for large commercial vehicles.

The Committee noted Pala Temecula Road is a rural mountainous two-lane roadway with many horizontal/vertical curves and steep grades that tend to slow heavy commercial vehicles more than most other motorists. Frustrated motorists were becoming impatient and were illegally passing slower moving vehicles. Also, the volume of overall daily traffic and large commercial vehicles (approximately two percent) was greater than expected for similar type of roadways. Your Committee agreed it was more desirable for large commercial vehicles to travel on State Route 76, Interstate 15 and State Route 79. Your Committee recommended establishment of a 7-Ton weight limitation to reduce potential conflicts between faster traveling vehicles and slower moving commercial trucks, decrease guardrail maintenance activities and increase the comfort level for County road crews. The weight limitation would not apply to trucks with origination or destination points along Pala Temecula Road. Nor would it impact casino buses who were avoiding conflicts due to their low wheel base that would incur substantial body damage. Large commercial vehicles have a higher wheel base rising above the guardrail, minimal or no body damage is experienced, while the guardrail does incur damage. CHP Oceanside and Temecula Offices stated the proposed weight limitation would eliminate unnecessary cross-overs and reduce the number of slower moving vehicles impeding travel flow and allow enhanced enforcement.

It was requested this matter be brought back one year after the weight limitation was posted to determine its impact on Pala Temecula Road's operating conditions and collision experience.

Collision Data

All the associated advanced warning and regulatory signs were in place by March 27, 2013. There have been no reported non-mechanical collisions involving large commercial vehicles, crossing over centerline, edge-striping and/or striking guardrail, from March 27, 2013 to March 31, 2014.